

Annex 1. List of International Classification of Diseases (ICD) codes mapped

Disease	ICD Code
Age-related and other hearing loss	H71-H75.83, H80-H80.93, H83-H83.93, H90-H91, H91.1-H91.93, H94-H94.83, Q16-Q16.9
Alcohol use disorders	E24.4, F10-F10.99, G31.2, G62.1, R78.0, X45-X45.9, X65-X65.9, Y15-Y15.9, Z81.1
Alzheimer's disease and other dementias	F00-F02.0, F02.8-F03.91, F06.2, G30-G31.1, G31.8-G32.89
Anxiety disorders	F40-F44.9, F93-F93.2
Bipolar disorder	F30-F31.9, F34.0
Blindness and vision impairment	H25-H28.8, H31-H36.8, H40-H40.9, H42-H42.8, H46-H54.9
Breast cancer	C50-C50.629, C50.8-C50.929, Z12.3-Z12.39, Z80.3, Z85.3, Z86.000
Cardiomyopathy and myocarditis	B33.2-B33.20, B33.22-B33.24, D86.85, I40-I41.8, I42-I43.8, I51.4-I51.6
Cervical cancer	C53-C53.9, Z12.4, Z85.41
Chronic kidney disease	D63.1, E08.2-E08.29, E10.2-E10.29, E11.2-E11.29, E12.2, E13.2-E13.29, E14.2, I12-I13.9, N02-N08.8, N15.0, N17-N19, Q60-Q63.2, Q63.8-Q63.9, Q64.2-Q64.9, Z49-Z49.32, Z52.4, Z99.2
Chronic obstructive pulmonary disease	J41-J42.4, J43-J44.9
Cirrhosis and other chronic liver diseases	I85-I85.9, I98.2, K70-K71, K71.3-K72, K72.1-K75, K75.2, K75.4-K76.2, K76.4-K77.8, R16-R18.9, Z52.6, Z94.4
Colon and rectum cancer	C18-C19.0, C20, C21-C21.8, Z12.1-Z12.13, Z85.03-Z85.048, Z86.010
Congenital birth defects	G71.2, P96.0, Q00-Q07.9, Q10-Q15.9, Q17-Q18.9, Q20-Q28.9, Q30-Q45.9, Q50-Q56.4, Q63.3, Q64-Q64.19, Q65-Q87.89, Q89-Q89.8, Q90-Q93.9, Q95-Q99.9, Z13.7-Z13.79, Z14-Z15.89, Z82.7-Z82.79, Z87.7-Z87.798
Depressive disorder	F32-F33.9, F34.1
Dermatitis	L20-L23.2, L23.4-L27, L27.2-L27.9, L30-L30.2, L30.5-L30.9
Diabetes mellitus	E08-E08.11, E08.3-E08.9, E10-E10.11, E10.3-E11.1, E11.3-E12.1, E12.3-E13.11, E13.3-E14.1, E14.3-E14.9, R73-R73.9, Z13.1, Z83.3
Diarrheal diseases	A00-A00.9, A02-A02.0, A02.8-A07, A07.2-A07.4, A08-A08.8, A09, K52.1, Z22.1, Z23.0
Dietary iron deficiency	D50-D50.9
Drowning	W65-W70.9, W73-W74.9
Drug use disorders	F11-F19.99, P96.1, R78.1-R78.9, Z81.2-Z81.4
Endocrine, metabolic, blood, and immune disorders	C7A00-C7B8, D3A00-D3A8, D66-D69.49, D69.6-D70.0, D70.4-D77, D80-D84.9, D86.8, D86.82-D86.84, D86.86-D86.89, D89-D89.2, D89.8, D89.82-D89.9, E03-E03.1, E03.3-E06.3, E06.5-E07.9, E15-E16, E16.1-E16.9, E20-E23.0, E23.2-E24.1, E24.3, E24.8-E27.2, E27.4-E28.1, E28.3-E32.9, E34, E34.1-E35.8, E65-E66.09, E66.2-E68, E70-E80.09, E80.3-E85.9, E88-E88.9, E90-E998, Z83.4-Z83.49
Environmental heat and cold exposure	L55-L55.9, L58-L58.9, W88-W94.9, W97.9, W99-W99.9, X30-X32.9, X39-X39.9
Esophageal cancer	C15-C15.9, Z85.01
Exposure to mechanical forces	W20-W38.9, W40-W43.9, W45.0-W45.2, W46-W46.2, W49-W52
Falls	W00-W19.9
Fire, heat, and hot substances	X00-X06.9, X08-X19.9
Foreign body	H02.81-H02.819, H44.6-H44.799, M60.2-M60.28, W44-W45, W45.3-W45.9, W75-W76.9, W78-W80.9, W83-W84.9
Gynecological diseases	B37.3-B37.49, D25-D26, E28.2, N61-N64.9, N72-N72.0, N75-N77.8, N80-N81.9, N83-N84, N84.2-N86, N88-N95.9, N97-N98.9, R30-R37, R39-R39.9, R87-R87.9, Z01.4-Z01.7, Z31-Z31.9, Z86.1-Z86.19, Z87.4-Z87.448
Headache disorder	G43-G44.89
Hypertensive heart diseases	I11-I11.2, I11.9
Idiopathic epilepsy	G40-G41.9, Z82.0
Interpersonal violence	T74.2-T76.22, X85-Y08.9, Y87.1-Y87.2
Ischemic heart disease	I20-I21.6, I21.9-I25.9, Z82.4-Z82.49
Liver cancer	C22-C22.4, C22.7-C22.9, Z85.05
Low back pain	G54.4, M47.015-M47.019, M47.15-M47.18, M47.25-M47.28, M47.815-M47.818, M47.896-M47.899, M48.05-M48.08, M48.16-M48.19, M48.25-M48.27, M48.35-M48.38, M48.45-M48.48, M48.55-M48.58, M49.85-M49.88, M51.05-M51.07, M51.15-M51.17, M51.25-M51.27, M51.35-M51.37, M51.45-M51.47, M51.85-M51.87, M53.3, M53.85-M53.88, M54.05-M54.09, M54.15-M54.18, M54.3-M54.5, M99.03-M99.04, M99.13-M99.14, M99.23-M99.24, M99.33-M99.34, M99.43-M99.44, M99.53-M99.54, M99.63-M99.64, M99.73-M99.74, M99.83-M99.84
Lower respiratory infections	A48.1, A70, B96.0-B96.1, B97.21, B97.4-B97.6, J09-J18.2, J18.8-J18.9, J19.6-J22.9, J85.1, J91.0, P23-P23.9, U04 -U04.9, Z25.1
Neck pain	G54.2, M47.011-M47.013, M47.11-M47.13, M47.21-M47.23, M47.811-M47.813, M47.892-M47.894, M48.01-M48.03, M48.12-M48.14, M48.21-M48.23, M48.31-M48.33, M48.41-M48.43, M48.51-M48.53, M49.81-M49.83, M50-M50.93, M53.0-M53.1, M53.81-M53.83, M54.01-M54.03, M54.11-M54.13, M54.2, M54.81, M99.01, M99.11, M99.21, M99.31, M99.41, M99.51, M99.61, M99.71, M99.81

Neonatal disorders	A40.1, B95.1, P00-P05.9, P07-P15.9, P19-P22.9, P24-P29.9, P36-P36.9, P38-P39.9, P50-P61.9, P70-P72.9, P74-P74.9, P75.0-P78.9, P80-P81.9, P83-P84, P90-P92.9, P94-P94.9, P96, P96.3-P96.4, P96.8-P96.9, P99.9
Oral disorders	K00-K08.499, K08.8-K14.9, M26-M27.9, Z01.2-Z01.21, Z13.84, Z96.5
Osteoarthritis	M16-M18.9
Other malignant cancers	C17-C17.9, C30-C31.9, C37-C38.8, C40-C41.9, C47-C4A, C51-C52.9, C57-C57.8, C58-C58.0, C60-C60.9, C63-C63.8, C66-C66.9, C68.0-C68.8, C69-C69.9, C74-C75.8, D07.4, D09.2, D13.2-D13.3, D14.0, D15-D16.9, D28.0-D28.1, D28.7, D29.0, D30.2, D30.4-D30.8, D31-D31.9, D35-D35.2, D35.5-D36, D36.1-D36.7, D37.2, D38.2-D38.5, D39.2, D39.8, D41.2-D41.3, D44.1-D44.8, D48.0-D48.4
Other mental disorders	F04-F06.1, F06.3-F07.0, F08-F09.9, F21-F24, F26-F29.9, F34, F34.8-F34.9, F38-F39, F45-F49, F51-F52.9, F55-F55.8, F56-F69.0, F80-F89.0, F93.3-F99.0, G47-G47.29, G47.4-G47.9, R40-R40.4, R45-R46.89, R55-R55.0, Z03.2, Z04.6-Z04.72, Z13.4, Z64, Z81, Z81.8, Z86.5-Z86.59
Other musculoskeletal disease	G54.3, I27.1, L93-L93.2, M00-M03.6, M06-M07.69, M11-M15.9, M19-M19.93, M20-M25.9, M30-M32.9, M34-M36.8, M40-M43.9, M45-M47.01, M47.014, M47.02-M47.10, M47.14, M47.2-M47.20, M47.24, M47.8-M47.81, M47.814, M47.819-M47.891, M47.895, M47.9-M48.00, M48.04, M48.1-M48.11, M48.15, M48.2-M48.20, M48.24, M48.3-M48.30, M48.34, M48.4-M48.40, M48.44, M48.5-M48.50, M48.54, M48.8-M49, M49.2-M49.80, M49.84, M49.89, M51-M51.04, M51.1-M51.14, M51.2-M51.24, M51.3-M51.34, M51.4-M51.44, M51.8-M51.84, M51.9, M53, M53.2, M53.8-M53.80, M53.84, M53.9-M54.00, M54.04, M54.1-M54.10, M54.14, M54.6-M54.8, M54.89-M54.9, M61-M63.89, M65-M68.8, M70-M72.4, M72.8-M73, M75-M77.9, M79-M79.676, M79.8-M87.09, M87.2-M89.59, M89.7-M95.9, M99-M99.00, M99.02, M99.05-M99.10, M99.12, M99.15-M99.20, M99.22, M99.25-M99.30, M99.32, M99.35-M99.40, M99.42, M99.45-M99.50, M99.52, M99.55-M99.60, M99.62, M99.65-M99.70, M99.72, M99.75-M99.80, M99.82, M99.85-M99.9
Road injuries	V01-V04.99, V06-V80.929, V82-V82.9, V87.2-V87.3
Schizophrenia	F20-F20.9, F25-F25.9
Self-harm	X60-X64.9, X66-X84.9, Y87.0
Sexually transmitted infections excluding HIV	A50-A60.9, A63-A64.0, B63, I98.0, K67.0-K67.2, M73.0-M73.8, N70-N71.9, N73-N74, N74.2-N74.8, Z11.3, Z20.2, Z22.4
Stomach cancer	C16-C16.9, Z12.0, Z85.02-Z85.028
Stroke	G45-G46.8, I60-I62, I62.9-I64, I64.1, I65-I69.998, Z82.3
Tracheal, bronchus, and lung cancer	C33, C34-C34.92, Z12.2, Z80.1-Z80.2, Z85.1-Z85.20
Tuberculosis	A10-A14, A15 -A18.89, A19-A19.9, B90-B90.9, K67.3, K93.0, M49.0, N74.0-N74.1, P37.0, U84.3, Z03.0, Z11.1, Z20.1, Z23.2
Upper digestive system diseases	K21-K21.9, K22.7-K22.719, K25-K30, R12
Vitamin A deficiency	E50-E50.9, E64.1

Annex 2. Data source used for estimation of burden of diseases in Mongolia

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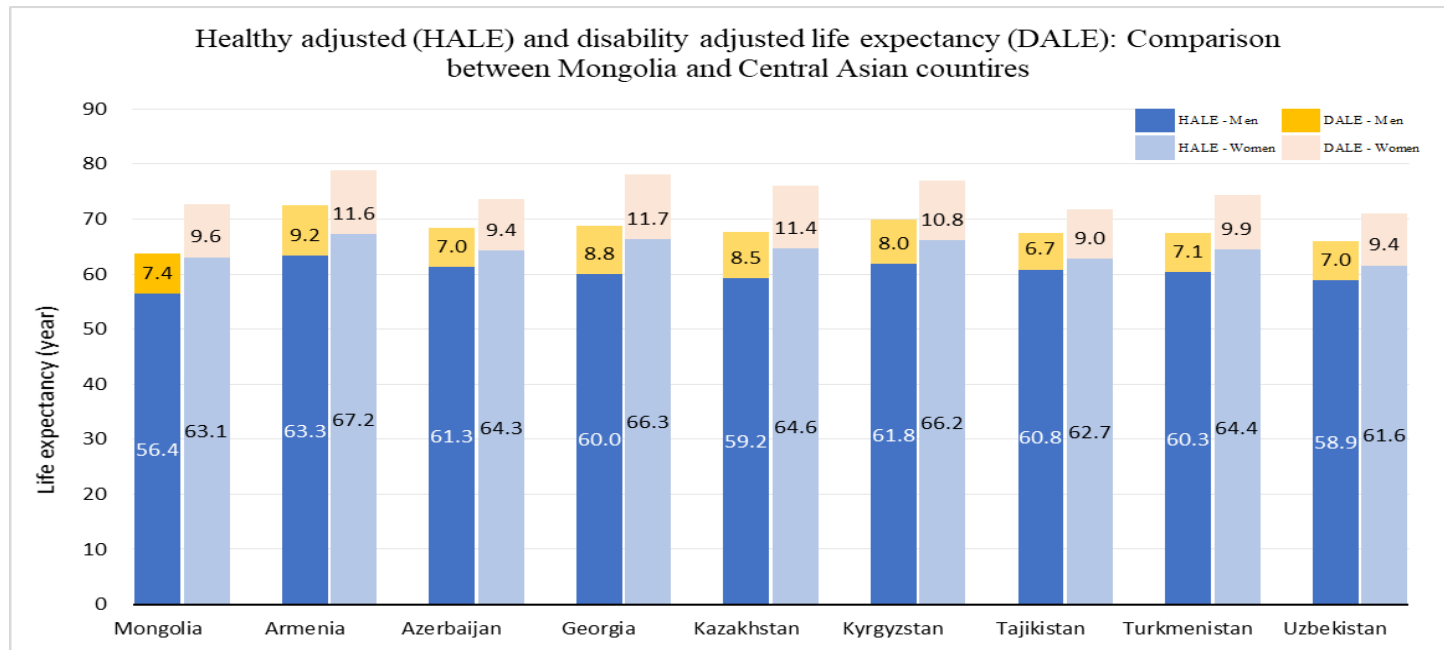
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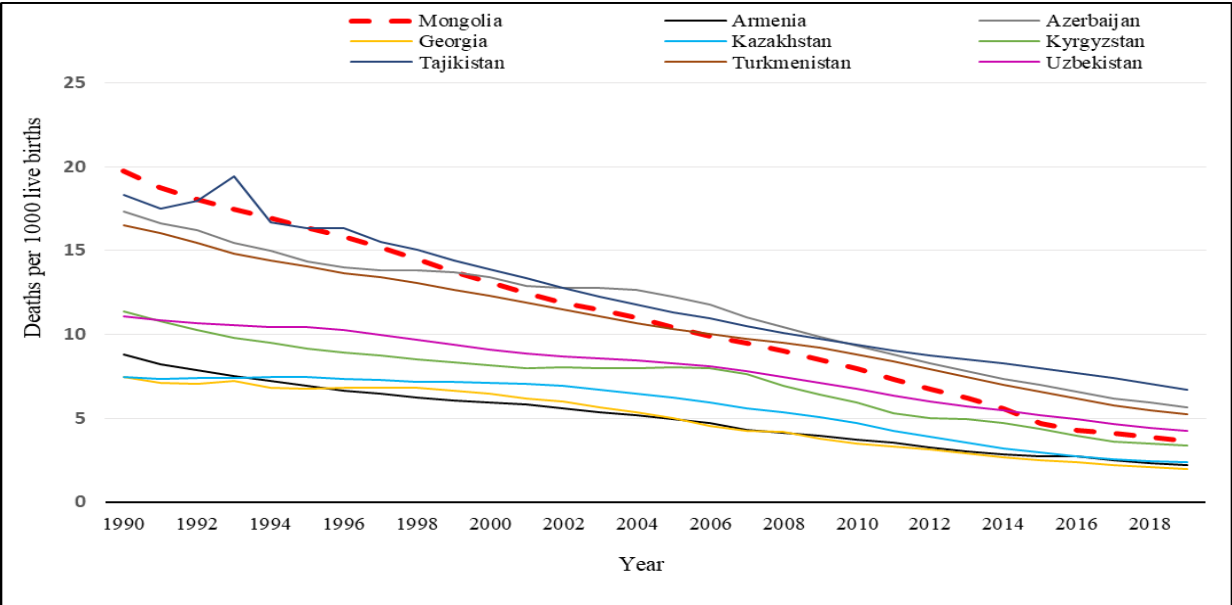
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Annex 3. Healthy adjusted (HALE) and disability adjusted life expectancy (DALE): Comparison between Mongolia and Central Asian countries



Annex 4. Under 5 Mortality during 1990 and 2019: Comparison between Mongolia and Cenral Asian Countries

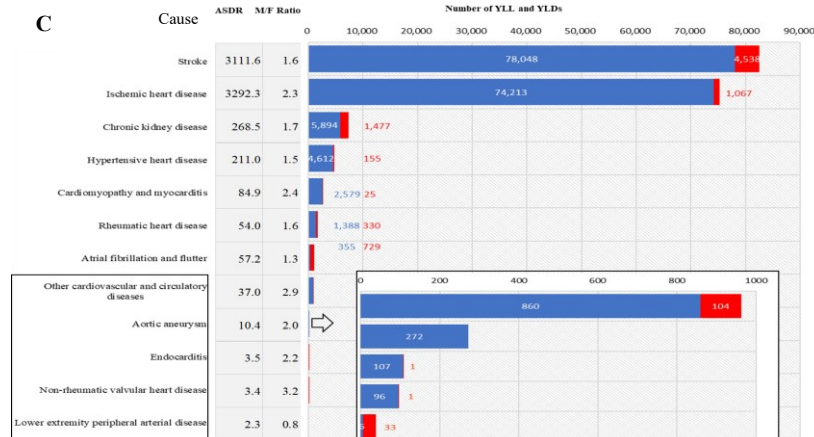
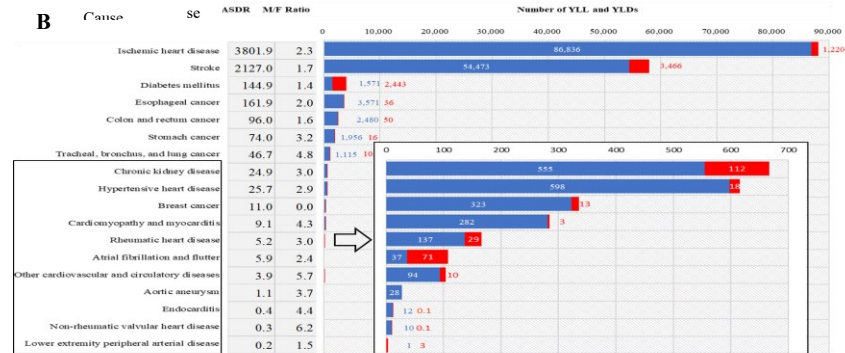
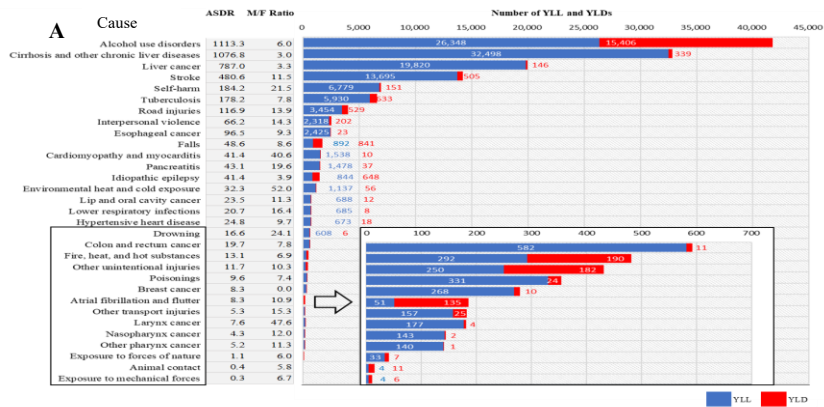


Annex 5. Age-standardized DALY rate attributable to risk factors (GBD Level 2) for men (A) and women (B) in 2019 (Complement to Figure 3)

Risk/Cause	Cardiovascular diseases	Chronic respiratory diseases	Diabetes and kidney diseases	Digestive diseases	Mental disorders	Neoplasms	Neurological disorders	Enteric infections	HIV/AIDS and sexually transmitted infections	Maternal and neonatal disorders	Nutritional deficiencies	Respiratory infections and tuberculosis	Musculoskeletal disorders	Sense organ diseases	Substance use disorders	Transport injuries	Self-harm and interpersonal violence	Unintentional injuries
Unsafe sex	0	0	0	0	0	0	0	0	19.02 (8.8-34.8)	0	0	0	0	0	0	0	0	0
Low physical activity	263.9 (84.5-624.7)	0	14.9 (6.1-28.9)	0	0	7.1 (1.8-15.0)	0	0	0	0	0	0	0.0	0	0	0	0	0
Childhood sexual abuse and bullying	0	0	0	0	42.3 (14.0-86.8)	0	0	0	0	0	0	0	0	74.8 (8.8-204.7)	0	0	0	0
Low bone mineral density	0	0	0	0	0	0	0	0	0	0	0	0	0	0	106.8 (74.7-141.3)	9.3 (6.1-13.4)	136.7 (98.8-180.9)	0
Unsafe water, sanitation and handwashing	0	0	0	0	0	0	210 (140.1-292.0)	0	0	0	90 (37.3-153.8)	0	0	0	0	0	0	0
Other environmental risks	548.0 (237.0-918.3)	0	14.5 (6.4-25.0)	0	16.1 (5.5-30.8)	128.3 (9.1-398.3)	0	0	0	0	0	0	0	0	0	0	0	0
Occupational risks	0	107.5 (82.1-144.9)	0	0	0	143.2 (86.9-222.8)	0	0	0	0	0	216.9 (148.8-300.4)	82.9 (5.9-119.4)	0	117.5 (91.5-149.3)	0	165.7 (124.6-217.3)	0
Drug use	0	0	0	323.4 (185.4-506.3)	0	345.1 (179.1-606.9)	0	21.1 (2.9-51.0)	0	0	0	0	0	191.6 (145.0-245.5)	0	0	24.9 (12.1-43.8)	0
Non-optimal temperature	1407.1 (678.4-2371.8)	102 (58.7-156.4)	69.6 (-20.1-189.4)	0	0	0	0	0	0	0	193.0 (39.8-391.7)	0	0	0	0	0	0	0
High fasting plasma glucose	1249.3 (817.7-1829.0)	0	625.6 (499.4-772.1)	0	0	77.5 (15.7-186.0)	15.8 (2.0-52.6)	0	0	0	0	33.1 (20.2-50.7)	0	2.7 (0.6-6.6)	0	0	0	0
Kidney dysfunction	1456.6 (1027.5-1937.5)	0	679.9 (554.6-829.5)	0	0	0	0	0	0	0	0	2.9 (1.7-4.3)	0	0	0	0	0	0
Child and maternal malnutrition	0	0	0	0	0	0	0	53.1 (22.1-106.7)	0	1310.5 (1026.9-1668)	370.6 (236.2-539.0)	389.8 (244.7-566.4)	0	0	0	0	0	0
High LDL cholesterol	4126.2 (3081.5-5348.8)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Air pollution	4120.8 (3132.7-5401.1)	184.3 (127.0-260.6)	79.8 (53.8-111.4)	0	0	333.3 (218.4-475.6)	0	1.6 (0.3-4.3)	0	256.8 (61.7-472.3)	0	262.8 (159.3-397.4)	0	15.4 (6.8-25.8)	0	0	0	0
High body-mass index	4050.5 (2394.8-6033.4)	51.6 (26.5-88.0)	415.7 (264.5-581.0)	22.2 (11.1-38.7)	0	842.8 (356.8-1543.3)	38.8 (5.9-107.2)	0	0	0	0	0	77.1 (39.1-132.9)	2.6 (1.0-5.1)	0	0	0	0
Dietary risks	8388.7 (6515.4-10576)	0	209.8 (143.1-286.8)	0	0	553.9 (330.6-956.5)	0	0	0	0	0	0	0	0	0	0	0	0
Tobacco	4918.3 (3858.5-6244.2)	416.9 (335.4-547.4)	96.9 (69.9-127.5)	108.1 (81.6-146.1)	0	2664.3 (2025.4-3446.6)	84.6 (24.7-218.5)	0	0	0	0	476.4 (355.8-616.1)	242.3 (163.2-332.7)	7.8 (5.1-11.4)	0	16.9 (10.7-24.6)	1.6 (0.9-2.4)	25.9 (17.5-37.1)
High systolic blood pressure	9392.5 (7315.5-11785.3)	0	345.4 (263.9-444.1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alcohol use	984.9 (466.3-1630.1)	0	9.7 (-5.9-27.2)	1764.4 (1247.9-2381)	0	1615.1 (1147.7-2221.6)	67.3 (37.8-106.7)	0	0	0	0	367.3 (249.1-508.0)	0	0	1954.4 (1033.8-2509.3)	233.6 (129.3-355.2)	482.1 (296.4-711.9)	254.1 (112.1-458.0)

Numbers in brackets indicates 95% UI.

Annex 6. YLLs, YLDs and DALYs of GBD Level 3 causes attributable to the top 3 risk factors (A-Alcohol use, B- Dietary risk, C - High systolic blood pressure) in 2019



ASDR - Age-standardized rate of DALY

M/F Ratio - Male-to-female ratio

Annex 7. The burden of three top risk factors in Mongolia - All cause death, YLL, YLD and DALY, 2019

Risk factors ¹ (Level 3) ²	Measures	All ages			15-49			50-69			70+		
		#	AStR	M/F ratio	# (%) ³	ASpR	M/F ratio	# (%) ³	ASpR	M/F ratio	# (%) ³	ASpR	M/F ratio
Alcohol use	Death	3,340	123.2	4.6	1,354 (40.5)	74.9	7.4	1,489 (44.6)	307.6	4.6	495 (14.8)	591.7	3.4
	YLL	121,914	3816.4	5.4	67,803 (55.6)	3750.9	7.5	46,485 (38.1)	9605.6	4.8	7,435 (6.1)	8890.6	3.5
	YLD	20,071	560.9	5	15,658 (78.0)	866.2	4.4	3,958 (19.7)	817.9	7.3	414 (2.1)	494.7	7.9
	DALYs	141,985	4377.3	5.3	83,461 (58.8)	4617.1	6.7	50,443 (35.5)	10423.6	4.9	7,849 (5.5)	9385.2	3.6
Dietary risk	Death	5,788	322.8	1.8	979 (16.9)	54.2	2.4	2,569 (44.4)	530.8	2.3	2,240 (38.7)	2678.9	1.5
	YLL	154,076	6265.2	2.1	45,874 (29.8)	2537.8	2.4	78,195 (50.8)	16158.2	2.4	30,007 (19.5)	35881.9	1.6
	YLD	7,499	275.0	1.1	2,627 (35.0)	145.3	0.9	3,796 (50.6)	784.5	1.2	1,075 (14.3)	1286.1	1.1
	DALYs	161,575	6540.2	2.0	48,502 (30.0)	2683.1	2.3	81,991 (50.7)	16942.7	2.3	31,083 (19.2)	37167.9	1.6
High blood pressure	Death	6,318	343.9	1.7	989 (15.7)	54.7	2.4	2,963 (46.9)	612.3	2.2	2,366 (37.4)	2828.8	1.4
	YLL	168,430	6819.8	2.0	46,093 (27.4)	2549.8	2.4	90,115 (53.5)	18621.3	2.2	32,223 (19.1)	38531.2	1.5
	YLD	8,459	316.3	1.2	2,801 (33.1)	154.9	1.1	4,352 (51.4)	899.3	1.3	1,306 (15.4)	1562.2	1.1
	DALYs	176,889	7136.2	1.9	48,894 (27.6)	2704.8	2.3	94,467 (53.4)	19520.6	2.2	33,529 (19.0)	40093.3	1.5

1) Top 2 risks (dietary risk and high systolic blood pressure) in terms of contribution to age-standardized mortality rate and 1 risk (alcohol use) with largest percentage change during 1990-2019

2) List of GBD Level 2 risk can be found in Reference# 10.

3) Percentage of total death, YLL, YLD and DALY due to respective risk factors

AStR - Age-standardized rate

ASpR - Age-specific rate

M/F - Male-to-Female

Numbers in Bold - Points emphasized in manuscript

Annex 8. 20 leading causes of YLDs with percentage changes from 1990 and 2019

Causes of Deaths ¹	MEN						WOMEN					
	YLD Rank		YLD		Age-standardized YLD rate		YLD Rank		YLD		Age-standardized YLD rate	
	1990	2019	#	% of all cause YLD	per 100 000 (95% UI)	% change 1990-2019 (95% UI)	1990	2019	#	% of all cause YLD	per 100 000 (95% UI)	% change 1990-2019 (95% UI)
Alcohol use disorders	6	1	12493.1	8.5	703.0 (478 to 999)	98.0 (72.4 to 124.7)	2	1	14292.0	8.3	873.0 (617 to 1165)	-4.9 (-9.9 to 0.5)
Low back pain	2	2	11308.9	7.7	762.5 (538 to 1026)	-4.5 (-10.0 to 1.1)	1	2	13946.2	8.1	826.9 (563 to 1148)	-3.7 (-10.7 to 4.2)
Depressive disorders	3	3	8926.1	6.1	553.2 (379 to 763)	3.4 (-4.6 to 11.9)	3	3	13652.1	8.0	727.2 (494 to 1022)	-4.6 (-8.3 to -0.9)
Falls	7	4	7208.3	4.9	464.9 (325 to 657)	26.7 (21.9 to 31.6)	4	4	12604.7	7.4	714.0 (460 to 1022)	0.3 (-3.6 to 4.2)
Headache disorders	4	5	6979.2	4.7	414.7 (104 to 856)	-0.2 (-5.5 to 4.5)	7	5	6273.1	3.7	451.1 (305 to 635)	-4.1 (-8.5 to -0.2)
Dietary iron deficiency	1	6	5850.9	4.0	355.4 (225 to 527)	-39.3 (-52.2 to -23.0)	8	6	5965.7	3.5	393.0 (246 to 588)	-3.8 (-7.2 to -0.7)
Age-related and other hearing lo	5	7	5712.7	3.9	473.5 (317 to 676)	-4.8 (-9.3 to -0.6)	5	7	5910.3	3.4	345.9 (218 to 522)	-44.3 (-57.1 to -30.7)
Exposure to mechanical forces	8	8	5014.2	3.4	316.9 (213 to 458)	-5.6 (-10.1 to -1.2)	6	8	5551.0	3.2	321.0 (182 to 532)	0.5 (-3.1 to 4.1)
Oral disorders	9	9	4486.6	3.1	340.9 (205 to 531)	-4.5 (-8.2 to -0.7)	10	9	4783.8	2.8	274.7 (181 to 391)	-2.9 (-10.2 to 4.4)
Neonatal disorders	16	10	4088.0	2.8	227.8 (172 to 292)	106.0 (49.3 to 172.9)	14	10	4474.2	2.6	273.1 (191 to 385)	14.8 (9.8 to 20.0)
Road injuries	13	11	3862.9	2.6	246.9 (176 to 331)	15.2 (11.2 to 19.4)	11	11	4281.9	2.5	311.5 (212 to 440)	-14.4 (-18.4 to -9.8)
Schizophrenia	17	12	3224.5	2.2	182.5 (128 to 243)	4.4 (-7.6 to 17.9)	9	12	3945.7	2.3	252.3 (167 to 358)	2.2 (-8.1 to 13.2)
Blindness and vision impairmen	11	13	3204.1	2.2	312.0 (215 to 430)	-16.8 (-21.4 to -12.1)	12	13	3942.7	2.3	260.7 (183 to 331)	-22.5 (-28.5 to -16.2)
Stroke	18	14	3054.0	2.1	232.9 (166 to 296)	-5.9 (-13.0 to 1.7)	17	14	3717.6	2.2	208.3 (154 to 269)	94.3 (41.4 to 162.4)
Dermatitis	10	15	2889.4	2.0	167.4 (94 to 269)	0.2 (-5.0 to 6.0)	19	15	3627.4	2.1	215.1 (139 to 316)	34.0 (16.7 to 57.8)
Diabetes mellitus	32	16	2847.2	1.9	221.1 (143 to 311)	63.1 (50.5 to 77.0)	30	16	3126.4	1.8	208.4 (137 to 295)	50.3 (40.1 to 61.6)
Diarrheal diseases	12	17	2663.1	1.8	154.9 (106 to 219)	6.0 (-5.1 to 18.5)	18	17	3123.9	1.8	168.1 (115 to 222)	3.8 (-7.8 to 16.7)
Anxiety disorders	15	18	2541.8	1.7	155.4 (103 to 218)	1.4 (-9.4 to 13.3)	21	18	2917.6	1.7	210.3 (106 to 421)	3.8 (0.0 to 7.9)
Drug use disorders	22	19	2501.2	1.7	140.8 (97 to 191)	27.9 (10.3 to 49.5)	24	19	2913.3	1.7	155.5 (104 to 226)	48.5 (26.6 to 74.9)
Idiopathic epilepsy	14	20	2437.6	1.7	151.7 (38 to 302)	9.8 (-72.1 to 382.7)	13	20	2804.1	1.6	161.3 (108 to 227)	5.0 (-4.7 to 17.2)
Sub total	NA		101293.9	68.9		NA	NA		#####	71.1		NA
All cause Total			146984.4	100.0	9707.7 (7221 to 12551)	-1.3 (-2.0 to 4.0)			#####	100.0	10404 (7691 to 13517)	-5.0 (-7.0 to -2.0)

YLD= years lived with disability; UI= uncertainty interval; Changes in bold are statistically significant.

Annex 9. Age-standardized rate of death and YLLs attributable to different risk factors in Mongolia 2019

#	Risk factors	Deaths			YLLs		
		Men	Women	% Difference	Men	Women	% Difference
1	Air pollution	210.8	118.0	78.7	5064.0	2647.1	91.3
2	Alcohol use	220.2	47.6	362.5	6769.1	1258.8	437.7
3	Child and maternal malnutrition	18.8	14.1	33.6	1663.4	1230.9	35.1
4	Dietary risks	440.6	243.4	81.0	8858.4	4262.9	107.8
5	Drug use	27.1	8.7	209.4	757.9	205.7	268.4
6	High body-mass index	195.4	125.1	56.2	5103.4	2924.6	74.5
7	High fasting plasma glucose	86.3	46.3	86.2	1718.5	841.8	104.1
8	High LDL cholesterol	192.6	103.5	86.1	4053.2	1726.6	134.8
9	High systolic blood pressure	452.0	267.3	69.1	9392.0	4794.1	95.9
10	Kidney dysfunction	93.2	54.5	70.8	1992.7	1077.8	84.9
11	Low bone mineral density	4.8	2.0	143.8	138.0	49.2	180.4
12	Low physical activity	20.8	12.1	71.9	272.2	136.6	99.3
13	Non-optimal temperature	69.4	48.6	42.9	954.6	849.0	12.4
14	Occupational risks	14.8	2.7	446.7	439.7	64.3	583.9
15	Other environmental risks	38.1	13.4	184.0	671.9	208.5	222.2
16	Unsafe sex	0.3	12.4	-97.8	9.8	363.6	-97.3
17	Unsafe water, sanitation, and handwashing	2.8	2.8	0.0	159.1	199.0	-20.1

Risk factors analyzed are GBD Level 2 risk factors

Numbers in Bold - Points emphasized in manuscript